

# CPP/OOPS QUESTIONS

## 1. Which of the following function prototype is perfectly acceptable?

- A. `int Function(int Tmp = Show());`
- B. `float Function(int Tmp = Show(int, float));`
- C. Both A and B.
- D. `float = Show(int, float) Function(Tmp);`

## 2. Which of the following statement is correct?

- A. C++ enables to define functions that take constants as an argument.
- B. We cannot change the argument of the function that are declared as constant.
- C. Both A and B.
- D. We cannot use the constant while defining the function.

## 3. Which of the following statement is correct?

- A. Overloaded functions can have at most one default argument.
- B. An overloaded function cannot have default argument.
- C. All arguments of an overloaded function can be default.
- D. A function if overloaded more than once cannot have default argument.

## 4. Which of the following statement is correct?

- A. Two functions having same number of argument, order and type of argument can be overloaded if both functions do not have any default argument.
- B. Overloaded function must have default arguments.

- C. Overloaded function must have default arguments starting from the left of argument list.
- D. A function can be overloaded more than once.

**5. Which of the following statement will be correct if the function has three arguments passed to it?**

- A. The trailing argument will be the default argument.
- B. The first argument will be the default argument.
- C. The middle argument will be the default argument.
- D. All the argument will be the default argument.

**6. Which of the following statement is incorrect?**

- A. Default arguments can be provided for pointers to functions.
- B. A function can have all its arguments as default.
- C. Default argument cannot be provided for pointers to functions.
- D. A default argument cannot be redefined in later declaration.

**7. Which of the following statement is correct?**

- A. Constructors can have default parameters.
- B. Constructors cannot have default parameters.
- C. Constructors cannot have more than one default parameter.
- D. Constructors can have at most five default parameters.

**8. Which of the following function / type of function cannot be overloaded?**

- A. Member function
- B. Static function
- C. Virtual function

- D. Both B and C

**9. Which of the following function declaration is/are incorrect?**

- A. `int Sum(int a, int b = 2, int c = 3);`
- B. `int Sum(int a = 5, int b);`
- C. `int Sum(int a = 0, int b, int c = 3);`
- D. Both B and C are incorrect.
- E. All are correct.

**10. Which of the following statement is incorrect?**

- A. The default value for an argument can be a global constant.
- B. The default arguments are given in the function prototype.
- C. Compiler uses the prototype information to build a call, not the function definition.
- D. The default arguments are given in the function prototype and should be repeated in the function definition.

**11. Where the default value of parameter have to be specified?**

- A. Function call
- B. Function definition
- C. Function prototype
- D. Both B or C

**12. Which of the following statement is correct?**

- A. The default value for an argument cannot be function call.
- B. C++ allows the redefinition of a default parameter.
- C. Both A and B.

- D. C++ does not allow the redefinition of a default parameter.

**13. Which of the following statement is correct?**

- A. Only one parameter of a function can be a default parameter.
- B. Minimum one parameter of a function must be a default parameter.
- C. All the parameters of a function can be default parameters.
- D. No parameter of a function can be default.

**14. Which of the following statement is incorrect?**

- A. A default argument is checked for type at the time of declaration and evaluated at the time of call.
- B. We can provide a default value to a particular argument in the middle of an argument list.
- C. We cannot provide a default value to a particular argument in the middle of an argument list.
- D. Default arguments are useful in situations where some arguments always have the same value.

**15. Which of the following statement is correct?**

- A. Overloaded functions can accept same number of arguments.
- B. Overloaded functions always return value of same data type.
- C. Overloaded functions can accept only same number and same type of arguments.
- D. Overloaded functions can accept only different number and different type

**16. Which of the following function / types of function cannot have default parameters?**

- A. Member function of class
- B. main()
- C. Member function of structure
- D. Both B and C

**17. Which of the following statement is correct?**

- A. The order of the default argument will be right to left.
- B. The order of the default argument will be left to right.
- C. The order of the default argument will be alternate.
- D. The order of the default argument will be random.

**ANSWERS**

- 1. A
- 2. C
- 3. C
- 4. D
- 5. A
- 6. C
- 7. A
- 8. C
- 9. D
- 10. D
- 11. C
- 12. D
- 13. C
- 14. B
- 15. A
- 16. B
- 17. A